Amendments to the Specification

Please replace the paragraph beginning at page 3, line 13 with the following rewritten paragraph:

In accordance with the invention, an improved composite rectifying charge storage device is provided of the type shown and described in U.S. Patent 6,414,543 and U.S. Publication US 2002/0140500 A1, wherein the composite device incorporates a bi-stable state element responsive to an input signal. In preferred forms of the invention, the bi-stable state element comprises a diode component and/or a capacitor component of the composite device for changing the component to one of two definable stable states, ~~or vice-versa,~~ in response to the input signal. The bi-stable state element may be designed for irreversible or reversible operation.

Please replace the paragraph beginning at page 4, line 6 with the following rewritten paragraph:

The bi-stable state element is provided, in accordance with one preferred form of the invention, in the form of a switching or ~~break~~ breakable diode (i.e., "break diode") for changing to one of two definable stable states, such as switching between conductive and non-conductive states, in response to a predetermined threshold characteristic of the input signal, such as voltage, current or frequency. Alternately, ~~the diode switch may be designed for changing from a non-conductive state to a conductive state in response to the input signal. In another alternative preferred form,~~ the bi-stable state element may be provided in the form of a switching capacitor for changing between one of two definable stable states in response to a predetermined characteristic of the input signal.

Please replace the paragraph beginning at page 5, line 29 with the following rewritten paragraph:

As shown in the exemplary drawings, an improved composite rectifying charge storage device referred to generally in FIGURE 1 by the reference numeral 10 incorporates a bi-stable state element responsive to an input signal for opening or closing a circuit. The bi-stable state element may comprise diode or capacitor components, or both, of the rectifying charge storage device, and may be designed for irreversible or reversible operation.

Please replace the paragraph beginning at page 8, line 18 with the following rewritten paragraph:

In accordance with the present invention, the bi-stable state element is incorporated directly into the composite device 10. In one preferred form, the bi-stable state element comprises a switching or so-called break diode component responsive to an input signal for switching to one of two definable stable states, thereby opening or turning off an electrical circuit, in response to one or more predetermined threshold characteristics of the input signal, such as voltage, current, and/or frequency. In such application, the switching diode functions as a fuse for permanently or irreversibly opening the circuit in response to predetermined conditions as represented by the input signal. In one alternative preferred form, the switching diode may be substituted or supplemented by a switching capacitor for opening the circuit in response to predetermined conditions as represented by the input signal.

Please replace the paragraph beginning at page 9, line 5 with the following rewritten paragraph:

In a further alternative preferred form of the invention, the bi-stable state element may be constructed for opening or closing the circuit in a reversible manner, thereby permitting the bi-stable state to be re-set and re-used for continued circuit regulation. In one such form, the bi-stable state element may comprise a reversible diode or capacitor, such as an organic bistable device of the type shown and described in *Organic Bistable Light Emitting Devices*, Ma et al, Applied Physics Letters, Vol. 80, No. 5, pp. 362-364, 2002, and *Organic Electrical Bistable Devices and Rewritable Memory Cells*, L. Ma et al, Applied Physics Letters, Vol. 80, No. 6, pp. 2997-2999, 2002, both of which are incorporated by reference herein. In such device, the state can be reversibly changed as a result of a particular combination or sequence of voltage or current or frequency applied thereto. See also PCT Publication No. WO 02/37500 A1, which is also incorporated by reference herein.

Please replace the Abstract paragraph beginning at page 13, line 4 with the following rewritten Abstract paragraph:

A rectifying charge storage device, consisting of diode and capacitor components which share common elements, includes a bi-stable state element responsive to an input signal for opening or closing a circuit, as by changing to one of two definable stable states~~, or vice versa~~. The bi-stable state element may comprise the diode or capacitor components, or both, of the rectifying charge storage device, and may be designed for irreversible or reversible operation.

A replacement page for the Abstract is enclosed.